

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049056 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 39/39**,  
A61P 9/00, 37/00, 37/06

(74) Agents: WILLIAMS, Aylsa et al.; D. Young & Co., 120  
Holborn, London EC1N 2DY (GB).

(21) International Application Number:  
PCT/GB2004/004783

(22) International Filing Date:  
12 November 2004 (12.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0326620.2 14 November 2003 (14.11.2003) GB  
0404102.6 24 February 2004 (24.02.2004) GB

(71) Applicant (for all designated States except US): UCL  
BIOMEDICA PLC [GB/GB]; Brook House, 2-16 Tor-  
rington Place, London WC1E 7HN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MCINTYRE,  
Graham [GB/GB]; 19 Tiepigs Lane, West Wickham, Kent  
BR4 9BT (GB). STANFORD, John, Lawson [GB/GB];  
Mill House, Claygate, Marden, Near Tonbridge, Kent  
TN12 9PE (GB). STANFORD, Cynthia, Ann [GB/GB];  
Mill House, Claygate, Marden, Near Tonbridge, Kent  
TN12 9PE (GB). BOTTASSO, Oscar, Adelmo [AR/AR];  
Moreno 294, Coronel Bogado, Zip code 2103, Provincia  
de Santa Fe (AR).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(88) Date of publication of the international search report:  
3 November 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: IMMUNE MODULATOR COMPRISING WHOLE CELL RHODOCOCCLUS, GORDONIA, NOCARDIA, DIETZIA,  
TSUKAMURELLA OR NOCARDIOIDES BACTERIA

(57) Abstract: Use of an immune modulator composition and/or pharmaceutical composition comprising a whole cell of a bac-  
terium from the genera *Rhodococcus*, *Gordonia*, *Nocardia*, *Dietzia*, *Tsukamurella* and *Nocardioides*, for use in the manufacture of a  
medicament for the treatment of an autoimmune disease or autoimmune disorder, including certain vascular disorders.

WO 2005/049056 A3